

Serial No. 10/520,237
Atty. Doc. No. 2002P02127WOUS01

Amendments To The Claims:

Please amend the claims as shown.

1 – 11 (cancelled)

12. (currently amended) An oxidation resistant component, comprising:

a substrate; and

a protective layer, comprising:

an intermediate MCrAlY layer on the substrate having a composition (in wt%)
10% – 50% Co, 10% – 40% Cr, 6% – 15% Al, 0.02% - 0.5% Y ~~0.02% – 0.5% Y~~, and a
Ni base; and

an outer layer which has a phase γ -Ni structure and has the composition (in wt%):
15% - 40% Cr, 5% - 80% Co, 3% - 6.5% Al and a Ni base and ~~has a content of~~
~~Aluminum of up to 6.5wt% and consists of pure γ -Ni phase wherein the outer layer zone~~
is arranged on the intermediate MCrAlY layer and M is an element selected from the
group consisting of Co, Fe, and Ni.

13. (previously presented) The component according to claim 12 wherein the
intermediate layer is located near the substrate.

14. (previously presented) The component according to claim 12, wherein the
protective layer consists of two separated layers.

15. (previously presented) The component according to claim 12, wherein a
continuously graded concentration of the composition of the intermediate and outer layer is
located inside the protective layer.

16. (previously presented) The component according to claim 12, wherein the outer
layer is thinner than the intermediate layer on or near the substrate.

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17. (previously presented) The component according to claim 12, wherein the intermediate MCrAlY-layer or the outer layer contains a further element selected from the group consisting of (in wt%): 0.1% - 2% Si, 0.2% - 8% Ta, and 0.2% - 5% Re.

18. (currently amended) The component according to claim 12, wherein the ~~Yttrium of MCrAlY of the intermediate MCrAlY-layer or the outer layer is added or replaced by further~~ comprises an element from the group consisting of Hf, Zr, La, Ce, and other elements of the Lanthanide group.

19. (cancelled)

20. (currently amended) The component according to claim 12, wherein the outer layer has the composition (in wt%): 20% - 30% Cr, 10% - 30% Co, and 5% - 6% Al ~~and Ni~~ base.

21. (previously presented) The component according to claim 12, wherein the MCrAlY layer contains Ti (Titanium) or Sc (Scandium).

22. (previously presented) The component according to claim 12, wherein the MCrAlY layer contains Ti (Titanium) and Sc (Scandium).

23. (previously presented) The component according to claim 12, wherein a thermal barrier coating is applied to the outer layer.

24. (currently amended) The component according to claim 17, wherein the rhenium content is between 0.2% and 2wt%.

25. (previously presented) The component according to claim 23, wherein a heat treatment prior to applying a thermal barrier coating is carried out in an atmosphere with a low oxygen partial pressure in the range of 10^{-7} to 10^{-15} bar.

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26. (previously presented) The component according to claim 12, wherein the component is a turbine component with application in a gas turbine.

27. (currently amended) An oxidation resistant turbine component for use in a gas turbine, comprising:

a substrate; and

a protective layer, comprising:

an intermediate MCrAlY layer on the substrate having a composition (in wt%) 10% - 50% Co, 10% - 40% Cr, 6% - 15% Al, 0.02% - 0.5 Y ~~0.02% - 0.5% Y~~, and a Ni base; and

an outer layer which has a phase γ -Ni structure and has the composition (in wt%): 15% - 40% Cr, 5% - 80% Co, 3% - 6.5% Al and a Ni base and ~~has a content of Aluminum of up to 6.5 wt% and consists of pure γ -Ni phase wherein the outer layer zone~~ is arranged on the intermediate MCrAlY layer and M is an element selected from the group consisting of Co, Fe, and Ni.

28. (previously presented) The component according to claim 27, wherein the intermediate MCrAlY-layer or the outer layer contains a further element selected from the group consisting of (in wt%): 0.1% - 2% Si, 0.2% - 8% Ta, and 0.2% - 5% Re.

29. (currently amended) The component according to claim 27, wherein the ~~Yttrium of MCrAlY of the intermediate MCrAlY layer or the outer layer is added or replaced by further~~ comprises an element from the group consisting of Hf, Zr, La, Ce, and other elements of the Lanthanide group.

30. (currently amended) The component according to claim 27, wherein the outer layer has the composition (in wt%): 20% - 30% Cr, 10% - 30% Co, and 5% - 6% Al ~~and Ni~~ base.